

## SITE INFORMATION

Revised: 4/29/98

Current Site Name: Herstmonceux  
Location: Royal Greenwich Obs., Great Britain  
Site Number: 880  
Geographic Region: Europe  
Tectonic Plate: Eurasian

General Site Description: The station is located at the Royal Greenwich Observatory, Herstmonceux, Great Britain. A fixed satellite laser ranging system has been operation at Herstmonceux since march 1983.

Geological Province: None

Local Geology: The site area is bounded on the south by an old, but now drained, marshland with the English Channel about six km away. The underlying structure is interbedded clays and sandstones called the Hastings Beds. There is no history of seismic activity in the area.

Site Topo Map: Royal Greenwich Observatory. Scale 1:2500. RGO Herstmonceux Castle R2064/1. Crown copyright 1971.

## CONTACT INFORMATION

Site Ownership: UK  
Site Management: Royal Greenwich Observatory (RGO)  
  
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# MONUMENT INFORMATION

Revised: 4/29/98

Current Site Name: Herstmonceux  
Location: Royal Greenwich Observatory, Great Britain  
Site Number: 880  
Number of Observing Monuments: 1  
Surveyed into National Network? Yes

Monument Number: 7840  
Type of Monument: Intersection of Axes  
Monument Inscription: None  
Systems using Monument: Fixed Laser

Latitude: N 50° 52' 02.56799  
Longitude: E 00° 20' 10.04376  
Elevation: 30.68 meters  
Height above Ellipsoid: 75.406 meters  
Geodetic Coordinate Source/Date: Ordnance Survey / Jun-92  
Geodetic Coordinate Datum/Ellipsoid: IERS ITRF94 (1993)  
Elevation Datum: Unknown  
Source of Monument Geodetic Survey Ties:  
Comments: None

## Differential Coordinates

Monument Number	Monument Inscription	X	Y	Z
—	OSGB PRI PILLAR (PP481)	122.1820	588.5932	-99.1924
—	WEST BLDG ROOF (T225)	168.8124	-76.7684	-137.6589
—	SOLAR PILLAR (T151)	-4.6509	-36.0781	-1.9459
—	MERIDIAN PILLAR (T219)	-414.6863	65.0928	337.6402
—	ROGUE GPS REF POINT	6.5052	-0.5748	-1.0581

Monument Number	Monument Inscription	North	East	Up
---	SOLAR PILLAR (T151)	2.5437	-36.0502	-4.5782
---	ROGUE GPS REF POINT	-7.5826	10.2400	1.0832
---	NW RIVET (1991 SLR MARKER)	0.5792	-0.5654	-1.8354

# SITE SKETCH

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# OCCUPATION INFORMATION

Revised: 4/29/98

Current Site Name: Herstmonceux  
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## SLR Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
7840	RGOLAS	78403501	01-JAN-83	---

## VLBI Occupations

Monument Number	Occupying System	Occupation Designator	Starting Date	Ending Date
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-- No Previous Occupations --

## GPS Occupations

Monument Name	Starting Date	Ending Date	Network
HERS	01-Sep-91	-----	IGS

## Footprint Surveys

Survey	Starting Date	Source
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No footprint surveys were completed. See the station description notes for geodetic ties to other local geodetic stations.